

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<p>(51) International Patent Classification ⁷ : C12N 15/57, 15/62, 15/85, 5/10, 9/64, C07K 19/00, 14/47, C12N 15/12, C07K 16/18, C12Q 1/37, G01N 33/68, C12N 1/21</p>	<p>A2</p>	<p>(11) International Publication Number: WO 00/17369 (43) International Publication Date: 30 March 2000 (30.03.00)</p>
<p>(21) International Application Number: PCT/US99/20881 (22) International Filing Date: 23 September 1999 (23.09.99) (30) Priority Data: 60/101,594 24 September 1998 (24.09.98) US (71) Applicant (for all designated States except US): PHARMACIA & UPJOHN COMPANY [US/US]; 301 Henrietta Street, Kalamazoo, MI 49001 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): GURNEY, Mark, E. [US/US]; 910 Rosewood Avenue, S.E., Grand Rapids, MI 49506 (US); BIENKOWSKI, Michael, Jerome [US/US]; 3431 Hollow Wood, Portage, MI 49024 (US); HEINRIK- SON, Robert, Leroy [US/US]; 81 South Lake Dossier Drive, Plainwell, MI 49080 (US); PARODI, Luis, A. [US/SE]; Grevgafan 24, S-115 43 Stockholm (SE); YAN, Riqiang [US/US]; 5026 Queen Victoria Street, Kalamazoo, MI 49009 (US).</p>	<p>(74) Agent: WOOTTON, Thomas, A.; Pharmacia & Upjohn Com- pany, Intellectual Property Legal Services, 301 Henrietta Street, Kalamazoo, MI 49001 (US). (81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p> <p>Published Without international search report and to be republished upon receipt of that report.</p>	
<p>(54) Title: ALZHEIMER'S DISEASE SECRETASE (57) Abstract The present invention provides the enzyme and enzymatic procedures for cleaving the β secretase cleavage site of the APP protein and associated nucleic acids, peptides, vectors, cells and cell isolates and assays.</p>		